

INTRODUCTION

ACUCAL Microscopy cameras are particularly remarkable for their fast live images, short reaction times, high resolution and clear contrast. And they are compatible with almost all microscopes. Our product range covers digital Microscope Cameras with intuitive software for archiving, measurement, analysis and presentation. 100% reproducibility of the exposures and highly convenient remote control of the cameras and ensure a fast and economical workflow.



FEATURES

- Standard C-mount Colour SONY IMX264 CMOS Sensor Camera
- No compression, no interpolation.
- Support still image capture(JPEG, BMP, TIFF, PNG, TGA, TIF, DICOM) & Video recording.
- USB 3.1 interface , up to 480MPS, external power no need.
- Interfaced to a computer via USB3.1 for attaching camera to desktop/ through single wire with suitable C-mount camera adapter for rapid image download.
- Plug-to-use, suitable for imaging of any standard Biological, Stereo and Metallurgical microscopes for observations, such as bright field, DIC, phase contrast and fluorescence.
- Ease of operation; only take 5 minutes to master the friendly software.
- Standard 0.55x C-Mount makes connection to any microscope easy.
- Integrated zinc aluminum alloy housing; Natural Cooling System
- Ultra-Fine color engine with perfect color reproduction capability & IR barrier filter app 400 nm to 720 nm
- With advanced/ delayed video & image processing application
- Windows/Linux/macOS/Android/Windows 10 - 64 Bit OS multiple platform SDK;
- Bundled with Imaging Software like intelligent 12-bit ISP Color reproduction

FIELDS OF APPLICATION

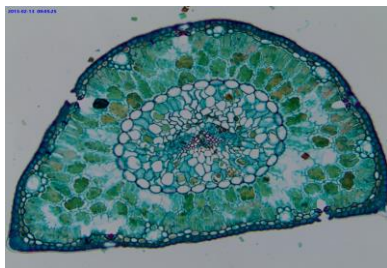
Materialography
Quality Control
Pathology

Inspection Industry
Geology
Forensic

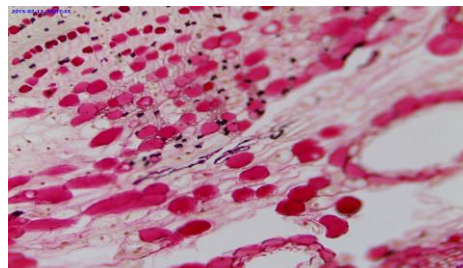
Patrography
Mineralogy
Cell Biology

SPECIFICATION

Parameter	ACUCAM-25MP
Image Sensor	1/ 2" (5.519*5.519) Single Plate type SONY Color CMOS, 25.0 Megapixel
Frame Rate	12@4928x4928 46@2464x2464 100@1648x1648
Pixel Size	1.12 μm to 4.45 μm
Signal/Noise	35.5 dB
Dynamic Range	65.3 dB
Digital Output	8 and 16-bit
ADC Conversion	8 Bit - 12 Bit
Read Noise	7 e- rms
Dark signal	0.21 mV at 1/30sec
Sensitivity	96.3 mV at 1/30sec & 0.724V/lux-sec
Color Depth	1 Bit; 4 Bit; 8 Bit; 24 Bit
Binning	1x1; 2x2, 3x3
Scan Mode	Progressive Scan
IR filter	400-720 nm (IR-cut filter)
Power Requirement	PC USB bus power
Operating & Storing Temperature	-20° C to +60° C
Operating & Storage Humidity	10%-90%, Non-condensing
Exposure Time	0.013 ms to 15s
Auto Exposure & White Balance	Automatic / Manual
Gain Programmable	Interface Connector Standard USB 3.0 high-speed interface.
Shutter	Electronic Rolling

EXCELLENCE THROUGH EXPERIENCE

Pine Leaf



Ten Year Pine Stem